

A SECURE NETWORK AND METHOD OF ESTABLISHING  
COMMUNICATION AMONGST NETWORK DEVICES THAT  
HAVE RESTRICTED NETWORK CONNECTIVITY

ABSTRACT OF THE DISCLOSURE

5                   A secure network is provided which includes a plurality of anti-  
bubbles having a plurality of anti-bubble partitions. Each anti-bubble partition  
has at least one network device configured to transmit and receive data. All the  
network devices that belong to or correspond to a particular anti-bubble have  
10 the same network security policy. Data may not be transmitted between two  
network devices in the same anti-bubble or two network devices in different  
anti-bubble partitions of the same anti-bubble. The secure network also  
includes a plurality of network control points, which has one or more network  
control point devices having at least one interface. Each anti-bubble partition  
15 is connected to at least one network control point. The network control point is  
used to provide a connection between at least two network devices. Each  
network control point device is configured to enforce the network security  
policy of all the anti-bubbles that are connected to it. During the transmission  
of data from one network device to another network device, one or more  
20 network control points are traversed.